

**Abstract**

The invention relates to a gear transmission comprising a first shaft, an intermediate shaft which is parallel to the first shaft, a first cylindrical pinion and a second cylindrical pinion for coupling the rotation of the first shaft and the intermediate shaft, a third cylindrical pinion which can rotate with the first shaft, and a fourth cylindrical pinion which can rotate with the intermediate shaft, and a double-toothed face gear mounted between and meshing with the third and fourth cylindrical pinions.